

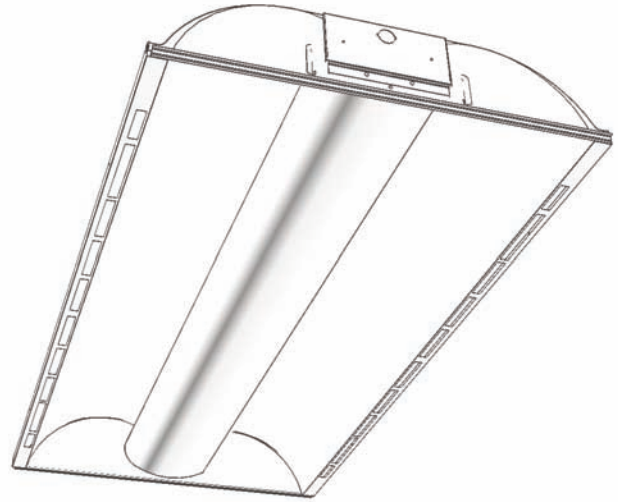
Coffaire II Recessed Fluorescent **CFA2GPF228 or 254**

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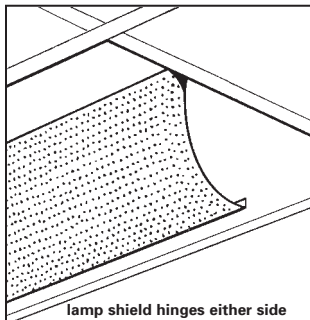
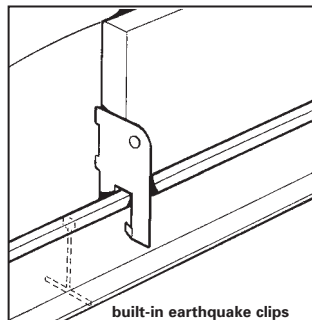
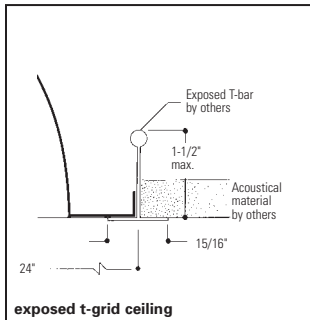
Direct/Indirect – 2' x 4' with Perforated Basket
Air Supply and Return, 2 Lamp T5

Features

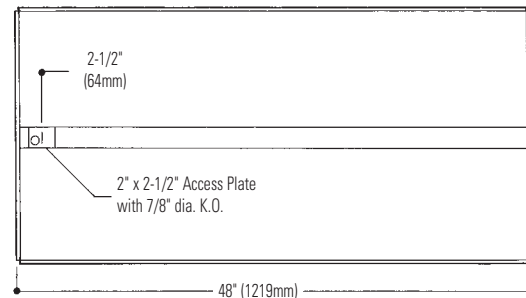
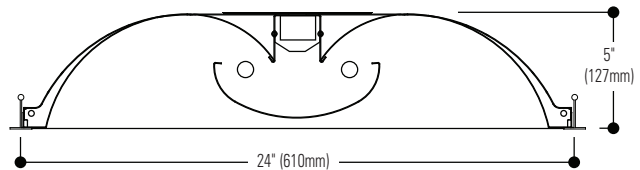
- Direct/indirect lamp shield appearance with soft contoured interior.
- Perforated mesh lamp shield with white acrylic overlay.
- Contoured body and ends.
- Air supply and return.
- Air return slots located above lamp shield.
- Air return models meet UL 1598, Paragraph 9.2.2.5 requirements.
- 65.0% efficient (2 lamp T5, 28W).
- 70.8% efficient (2 lamp T5, 54W).
- Spacing to mounting ratio 1.3 (2 lamp).
- Only 5" deep.
- Tension screws secure ends to body.
- Perforated lamp shield hinges from either side.
- Can be continuous row mounted.
- Built-in earthquake clips.
- Ballast accessible from room side.
- Optional supply air slot cover.
- Meets NYC Code.
- Construction to meet Chicago Plenum requirements is available.



Mounting Methods



Dimensions



Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Volts/Ballast:

Lightolier a Genlyte company

www.lightolier.com

Technical Information: (978) 657-7600 • Fax (978) 658-0595

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

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Coffaire II Recessed Fluorescent CFA2GPF228 or 254

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Direct/Indirect – 2' x 4' with Perforated Basket
Air Supply and Return, 2 Lamp T5

Model No. CFA2GPF228120WA

LER = FP - 57.2 IW - 54.9 BF - 0.93
Comparative yearly lighting energy cost per
1000 lumens = \$4.20

Report Number: G2004258
Catalog Number: CFA2GPF228120WA
Lamps: F28T5
Luminaire: Coffaire direct/indirect with
perforated basket
Ballast: WA
Report is based on 2600 Lumens per lamp.
Efficiency: 65.0%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.2 1.3
Shielding Angles: 55 65
Plane: 0-Deg 90-Deg
Luminous Length: 46.800 22.800

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	1151	1151	1151	
5	1143	1146	1150	109
15	1091	1108	1125	313
25	999	1038	1076	479
35	871	940	997	586
45	714	814	880	622
55	531	661	730	578
65	333	476	492	441
75	163	206	199	213
85	32	34	34	40
90	2	2	2	

COEFFICIENTS OF UTILIZATION –
ZONAL CAVITY METHOD. EFFECTIVE
FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10	50	30	10
RW	70	50	30	10	50	30	10
1	71	68	65	64	62	60	59
2	64	59	55	52	49	53	51
3	59	52	46	49	45	41	47
4	54	46	40	43	39	35	42
5	49	41	35	39	34	30	37
6	45	37	31	35	30	26	34
7	42	33	27	32	27	23	31
8	39	30	25	29	24	21	28
9	36	28	22	27	22	19	26
10	34	26	20	25	20	17	24

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	1466.	1672.	1807.
55	1344.	1673.	1848.
65	1144.	1636.	1690.
75	915.	1156.	1116.
85	533.	566.	566.

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	901	17.3	26.6
0- 40	1487	28.6	44.0
0- 60	2687	51.7	79.4
0- 90	3382	65.0	100.0
90-180	0	0.0	0.0
0-180	3382	65.0	100.0

Model No. CFA2GPF254120PG

LER = FP - 50.7 IW - 123.2 BF - 1.00
Comparative yearly lighting energy cost per
1000 lumens = \$4.73

Report Number: G2004261
Catalog Number: CFA2GPF254120PG
Lamps: FP54/835
Luminaire: Coffaire direct/indirect with
perforated basket
Ballast: QT2X54/120
Report is based on 4400 Lumens per lamp.
Efficiency: 70.8%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.2 1.3
Shielding Angles: 55 65
Plane: 0-Deg 90-Deg
Luminous Length: 46.920 22.920

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	2082	2082	2082	
5	2069	2073	2078	197
15	1986	2006	2035	568
25	1834	1885	1947	871
35	1621	1711	1803	1072
45	1354	1488	1593	1143
55	1040	1212	1324	1071
65	690	878	905	828
75	323	388	373	401
85	63	67	65	78
90	0	0	0	

COEFFICIENTS OF UTILIZATION –
ZONAL CAVITY METHOD. EFFECTIVE
FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	10	50	30	10
RW	70	50	30	10	50	30	10
1	77	74	71	69	67	65	63
2	70	64	59	60	57	53	55
3	64	56	50	53	48	44	51
4	58	50	43	47	42	34	41
5	53	44	38	42	37	32	36
6	49	40	33	38	32	28	32
7	46	36	30	34	29	25	28
8	42	33	27	31	26	22	26
9	40	30	24	29	24	20	23
10	37	28	22	27	22	18	21

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	2759.	3032.	3246.
55	2612.	3044.	3326.
65	2352.	2993.	3085.
75	1798.	2160.	2076.
85	1041.	1108.	1075.

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	1636	18.6	26.3
0- 40	2708	30.8	43.5
0- 60	4921	55.9	79.0
0- 90	6229	70.8	100.0
90-180	0	0.0	0.0
0-180	6229	70.8	100.0

Ordering Information

Explanation of Catalog Number. Example: CFA2GPF228120WA

C	A	2	G	P	F	2				
Coffaire II: Direct/ Indirect: Recessed with Perforated Mesh Shield	Body Style: A = Air Supply and Return	Fixture Width	Ceiling Type: Standard Grid	Perforated Lamp Shield	Flat White Reflector	Lamp Quantity 2=2 Lamp	Lamp: (By Others) 28=28W T5 54=54W T5 (Nominal 48")	Voltage: 120, 277 or UNV=120-277	Ballast Type:	Options: Add appropriate suffix to catalog no., ie: (GLR)
CF									<10THD PI † PG †† PG †† WA	
CN									1-2 Lamp 28W Elec. T5 1-2 Lamp 28W Elec. T5 1-2 Lamp 54W Elec. T5 Linear T5 Instant Start less than 10THD, 57.5 Input Watts, 0.93 Ballast Factor †Instant Start (120, 277 or UNV) ††Program Rapid Start (UNV only)	

Options/Accessories

Optional supply air slot cover: Order Catalog Number: CACS-4.

Fusing: Internal fast blow fusing: SUFFIX: GLR.

Internal slow blow fusing: SUFFIX: GMF.

Drywall Kit: Order Catalog Number: FK92X4.

Electrical Wiring Options: Consult factory.

Chicago Plenum: SUFFIX: C.

Dust Shield: See Folio Number: OA50-20

Specifications

Performance: In an installation of 2 lamp 32W luminaires in a room cavity ratio of 1, with reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .66. To reduce glare the average brightness at 65° shall not exceed 2093 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 74.6%.

Materials: Chassis parts are die-formed code gauge steel.

Lamp Shield: 22 gauge steel perforated mesh lamp shield with white acrylic overlay.

Specifications (continued)

Finish: Chassis exterior – soft white post painted polyester powder. **Cavity** – soft white post painted polyester powder. **Reflector** – soft white post painted polyester powder, minimum 88% reflectance. Rust preventive undercoating.

Lamp Shield –white.

Electrical: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°. UL Listed for damp locations.

Labels: I.B.E.W./UL and ULc Listed.

Job Information

Type:

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